

District I

P.O. Box 1980, Hobbs, NM

District II

P.O. Drawer 50, Aztec, NM 87410

District III OIL & GAS INSPECTOR

1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico

Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

SUBMIT 1 COPY TO
APPROPRIATE
DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

JAN 13 97

PIT REMEDIATION AND CLOSURE REPORT

Approved

A0032

Operator: Amoco Production Company Telephone: (505) - 326-9200

Address: 200 Amoco Court, Farmington, New Mexico 87401

Facility or: Elliott GC N 1E
Well Name

Location: Unit or Qtr/Qtr Sec A Sec 33 T 30N R 9W County San Juan

Pit Type: Separator Dehydrator Other blow

Land Type: BLM ☒, State , Fee , Other

Pit Location: Pit dimensions: length 14', width 17', depth 9'
(Attach diagram)

Reference: wellhead ☒, other

Footage from reference: 135

Direction from reference: 77 Degrees ☒ East North ☒
of
 West South

RECEIVED
JUN 23 1994

Depth To Ground Water: (Vertical distance from contaminants to seasonal high water elevation of ground water)

Oil CON. DIV. DIST. 3	Less than 50 feet	(20 points)	
	50 feet to 99 feet	(10 points)	
	Greater than 100 feet	(0 Points)	<u>0</u>

Wellhead Protection Area: (Less than 200 feet from a private domestic water source, or; less than 1000 feet from all other water sources)

Yes	(20 points)	
No	(0 points)	<u>0</u>

Distance To Surface Water: (Horizontal distance to perennial lakes, ponds, rivers, streams, creeks, irrigation canals and ditches)

Less than 200 feet	(20 points)	
200 feet to 1000 feet	(10 points)	
Greater than 1000 feet	(0 points)	<u>0</u>

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 5/26/94

Remediation Method: Excavation ☒ Approx. cubic yards 75
(Check all appropriate sections) Landfarmed ☒ Insitu Bioremediation _____
Other _____

Remediation Location: Onsite ☒ Offsite _____
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: _____
Excavation

Ground Water Encountered: No ☒ Yes _____ Depth _____

Final Pit: Sample location see Attached Documents
Closure Sampling: _____
(if multiple samples, attach sample results and diagram of sample locations and depths)
Sample depth 10'
Sample date 5/26/94 Sample time _____
Sample Results
Benzene(ppm) ND
Total BTEX(ppm) 4.7
Field headspace(ppm) 775
TPH 408 ppm

Ground Water Sample: Yes _____ No ☒ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 5/27/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

CLIENT: Amoco

ENVIROTECH Inc.

PIT NO: 40032

5796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615

C.E.C. NO: 3696

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140

PAGE No: 1 of 1

LOCATION: NAME: Elliott GC N WELL #: 1E PIT: blow
QUAD/UNIT: A SEC: 33 TWP: 30N RNG: 9W BM: NM CNTY: SJ ST: NM
QTR/FOOTAGE: NE 1/4 CONTRACTOR: Moss Excavation

DATE STARTED: 5/26/94
DATE FINISHED: 5/26/94

ENVIRONMENTAL
SPECIALIST: CLG

SOIL REMEDIATION: EXCAVATION APPROX. 14 FT. x 17 FT. x 9 FT. DEEP.
DISPOSAL FACILITY: landfilled on-site CUBIC YARDAGE: ~75
LAND USE: range Fed. LEASE: SF-078139

FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 135 FEET N77E FROM WELLHEAD.
DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000
NMOCB RANKING SCORE: 0 NMOCB TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

no sample collected from south wall due to slope (no side wall was apparent)
sand with silt, light yellow brown, adhesive, slightly moist, sweet odor

FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No:	WEIGHT (g)	mL. FREON	DILUTION	READING	CALC. ppm

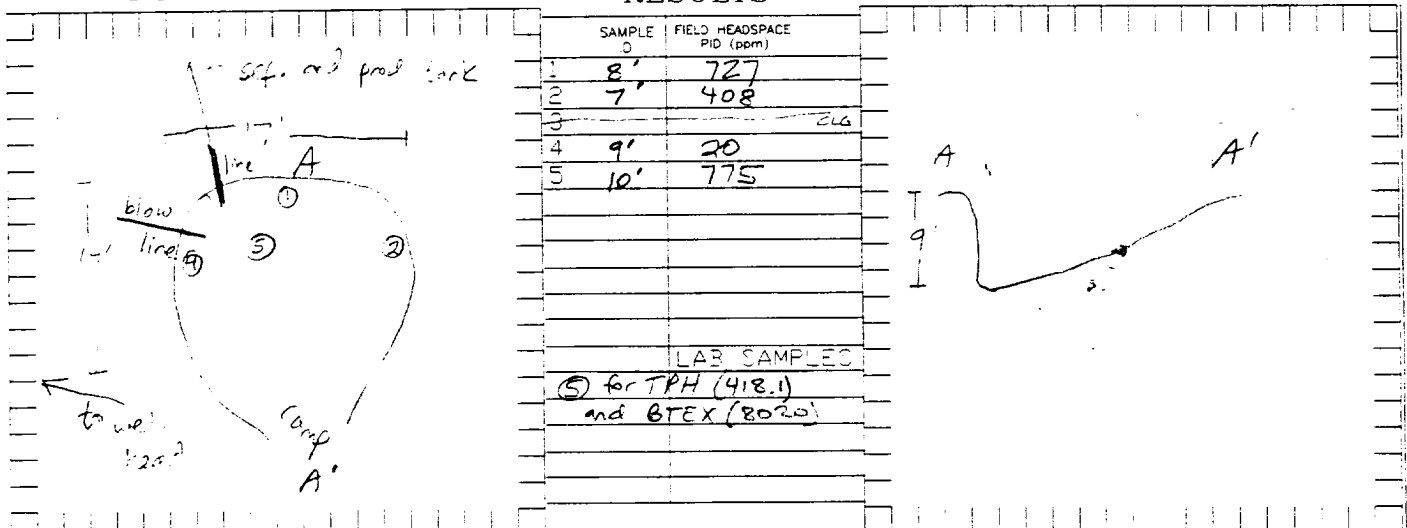
SCALE



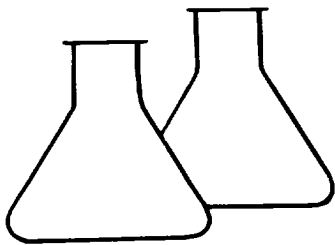
0 FEET
PIT PERIMETER

OVM
RESULTS

PIT PROFILE



TRAVEL NOTES: CALLOUT: 5/24/94 CNSITE: 5/26/94



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Amoco	Project #:	92140
Sample ID:	5 @ 10'	Date Sampled:	05-26-94
Laboratory Number:	7532	Date Received:	05-31-94
Sample Matrix:	Soil	Date Analyzed:	06-06-94
Preservative:	Cool	Date Reported:	06-07-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
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Total Petroleum Hydrocarbons	408	25.0

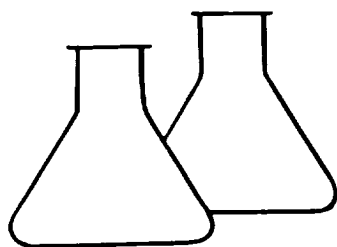
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

Method: Method 418.1, Petroleum Hydrocarbons, Total
Recoverable, Chemical Analysis of Water and
Waste, USEPA Storet No.4551, 1978

Comments: Elliott GC N1E--A0032 Blow Pit

Tom Harrison
Analyst

M. D. Young
Review



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Amoco	Project #:	92140
Sample ID:	5 @ 10'	Date Reported:	06-08-94
Laboratory Number:	7532	Date Sampled:	05-26-94
Sample Matrix:	Soil	Date Received:	06-06-94
Preservative:	Cool	Date Extracted:	06-06-94
Condition:	Cool & Intact	Date Analyzed:	06-07-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	13.3
Toluene	120	33.2
Ethylbenzene	700	13.3
p,m-Xylene	144	13.3
o-Xylene	3690	13.3

SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	105 %
	Bromofluorobenzene	112 %

Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Elliot GC N 1E Blow Pit A0032.

Analyst

Review

District I
P.O. Box 1980, Hobbs, NM
District II
P.O. Drawer DD, Artesia, NM 88211
District III
1000 Rio Brazos Rd, Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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DISTRICT OFFICE
AND 1 COPY TO
SANTA FE OFFICE

PTT REMEDIATION AND CLOSURE REPORT

A0032

Operator: Amoco Production Company Telephone: (505) - 326-9200
Address: 200 Amoco Court, Farmington, New Mexico 87401
Facility or: Elliott GC N 1E
Well Name
Location: Unit or Qtr/Qtr Sec A Sec 33 T 30N R 9W County San Juan
Pit Type: Separator ☒ Dehydrator ☐ Other ☐
Land Type: BLM ☒ State ☐ Fee ☐ Other ☐

Pit Location: Pit dimensions: length 16', width 21', depth 12'
(Attach diagram) Reference: wellhead ☒, other ☐
Footage from reference: 120
Direction from reference: 10 Degrees ☒ East North ☒
of
☐ West South ☐

Depth To Ground Water:
(Vertical distance from
contaminants to seasonal
high water elevation of
ground water)

Less than 50 feet (20 points)
50 feet to 99 feet (10 points)
Greater than 100 feet (0 Points) 0

Wellhead Protection Area:
(Less than 200 feet from a private
domestic water source, or; less than
1000 feet from all other water sources)

Yes (20 points)
No (0 points) 0

Distance To Surface Water:
(Horizontal distance to perennial
lakes, ponds, rivers, streams, creeks,
irrigation canals and ditches)

Less than 200 feet (20 points)
200 feet to 1000 feet (10 points)
Greater than 1000 feet (0 points) 0

RANKING SCORE (TOTAL POINTS): 0

Date Remediation Started: _____ Date Completed: 5/26/94

Remediation Method: Excavation ☒
(Check all appropriate sections)

Approx. cubic yards 149

Landfarmed ☒

Insitu Bioremediation _____

Other _____

Remediation Location: Onsite ☒ Offsite _____
(ie. landfarmed onsite, name and location of offsite facility)

General Description Of Remedial Action: _____

Excavation

Ground Water Encountered: No ☒ Yes _____ Depth _____

Final Pit:

Sample location see Attached Documents

Closure Sampling:
(if multiple samples, attach sample results and diagram of sample locations and depths)

Sample depth 13'

Sample date 5/26/94 Sample time _____

Sample Results

Benzene(ppm) ND

Total BTEX(ppm) 0.2

Field headspace(ppm) 141

TPH 99 ppm

Ground Water Sample: Yes _____ No ☒ (If yes, attach sample results)

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF

DATE 5/27/94

SIGNATURE

B. Shaw

PRINTED NAME
AND TITLE

Buddy D. Shaw
Environmental Coordinator

6/16/94 FURL

RESULTS TO ENV R. - 6/2/94 PRELIM. R60

CLIENT: Amoco

ENVIROTECH Inc.

PIT NO: A00325796 US HWY. 64, FARMINGTON, NM 87401
(505) 632-0615C.C.C. NO: 3696

FIELD REPORT: CLOSURE VERIFICATION

JOB No: 92140PAGE No: 1 of 1LOCATION: NAME: Elliott GC N WELL #: 1E PIT: Sep.
QUAD/UNIT: A SEC: 33 TWP: 30N RNG: 9W BM: Nm CNTY: SJ ST: Nm
QTR/FOOTAGE: NE/4 NE/4 CONTRACTOR: Moss ExcavationDATE STARTED: 5/26/94
DATE FINISHED: 5/26/94ENVIRONMENTAL
SPECIALIST: CLSSOIL REMEDIATION: EXCAVATION APPROX. 16 FT. x 21 FT. x 12 FT. DEEP.
DISPOSAL FACILITY: landfilled on-site CUBIC YARDAGE: 149
LAND USE: range LEASE: SF-078139FIELD NOTES & REMARKS: PIT LOCATED APPROXIMATELY 120 FEET N10E FROM WELLHEAD.DEPTH TO GROUNDWATER: >100 NEAREST WATER SOURCE: >1000 NEAREST SURFACE WATER: >1000NMOC D RANKING SCORE: 0 NMOC D TPH CLOSURE STD: 5000 PPM

SOIL AND EXCAVATION DESCRIPTION:

gray silty soil on south wall ~5-7' deep and on west wall ~6-7' deep
light yellow brown sand is majority of excavation, cohesive, slightly moist

FIELD 418.1 CALCULATIONS

SAMPLE I.D.	LAB No.	WEIGHT (g)	ML. FREON	DILUTION	READING	CALC. ppm

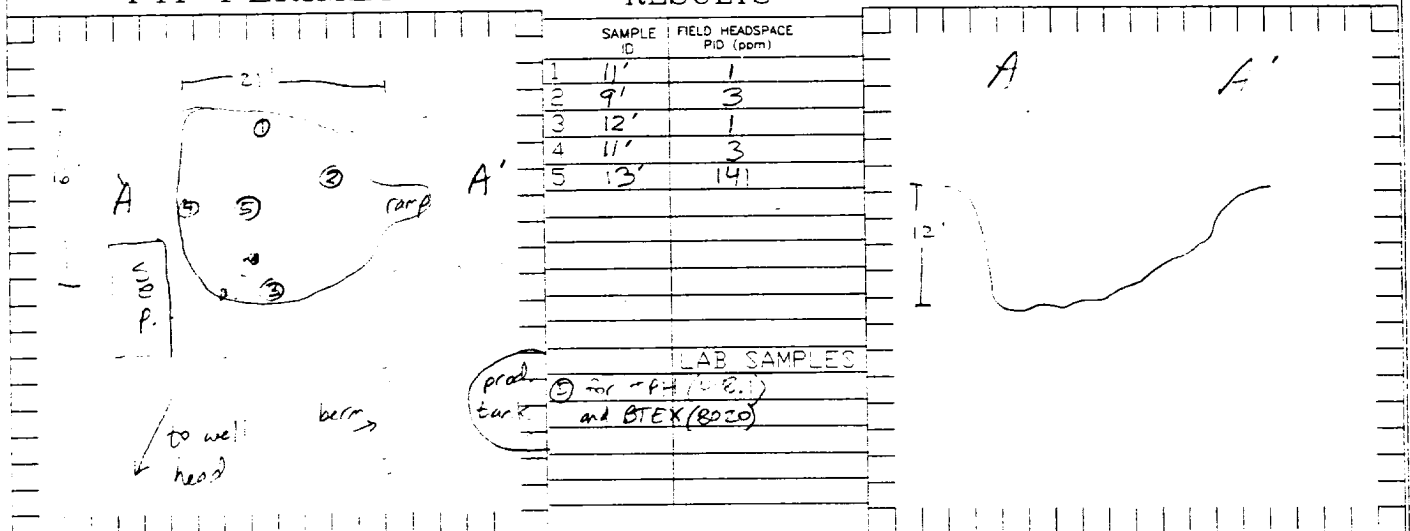
SCALE



0

FEET
PIT PERIMETEROVM
RESULTS

PIT PROFILE



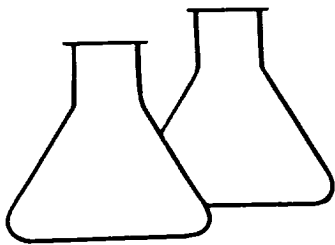
TRAVEL NOTES:

CALLOUT:

5/24/94

ONSITE:

5/26/94



ENVIROTECH LABS

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PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 418.1 TOTAL PETROLEUM HYDROCARBONS

Client:	Amoco	Project #:	92140
Sample ID:	5 @ 13'	Date Sampled:	05-26-94
Laboratory Number:	7531	Date Received:	05-31-94
Sample Matrix:	Soil	Date Analyzed:	06-06-94
Preservative:	Cool	Date Reported:	06-07-94
Condition:	Cool and Intact	Analysis Needed:	TPH

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
-----	-----	-----
Total Petroleum Hydrocarbons	99	25.0

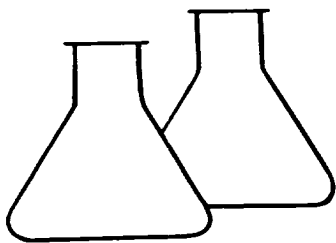
ND = Parameter not detected at the stated detection limit.
N/A = Not applicable

Method: Method 418.1, Petroleum Hydrocarbons, Total
Recoverable, Chemical Analysis of Water and
Waste, USEPA Storet No.4551, 1978

Comments: Elliot GC N1E--A0032 Sep Pit

Tom Hanson
Analyst

Maris D. Young
Review



ENVIROTECH LABS

5796 US HIGHWAY 64-3014 • FARMINGTON, NEW MEXICO 87401
PHONE: (505) 632-0615 • FAX: (505) 632-1865

EPA METHOD 8020 AROMATIC VOLATILE ORGANICS

Client:	Amoco	Project #:	92140
Sample ID:	5 @ 13'	Date Reported:	06-08-94
Laboratory Number:	7531	Date Sampled:	05-26-94
Sample Matrix:	Soil	Date Received:	06-06-94
Preservative:	Cool	Date Extracted:	06-06-94
Condition:	Cool & Intact	Date Analyzed:	06-07-94
		Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	ND	13.1
Toluene	107	32.8
Ethylbenzene	15.6	13.1
p,m-Xylene	21	13.1
o-Xylene	64	13.1

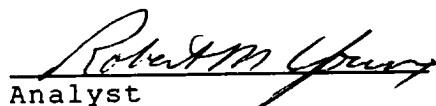
SURROGATE RECOVERIES:	Parameter	Percent Recovery
	Trifluorotoluene	115 %
	Bromofluorobenzene	101 %

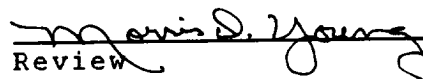
Method: Method 5030, Purge-and-Trap, Test Methods for
Evaluating Solid Waste, SW-846, USEPA, July 1992

Method 8020, Aromatic Volatile Organics, Test Methods
for Evaluating Solid Waste, SW-846, USEPA, Sept. 1986.

ND - Parameter not detected at the stated detection limit.

Comments: Elliot GC N 1E Separator Pit A0032.


Analyst


Review